

Title (en)
Delivery device

Title (de)
Vorrichtung zum Gaszuführ

Title (fr)
Dispositif à délivrance du gaz

Publication
EP 1669474 A1 20060614 (EN)

Application
EP 05257531 A 20051207

Priority
US 63413604 P 20041208

Abstract (en)
Delivery devices for delivering solid precursor compounds in the vapor phase to reactors are provided. Such devices include a precursor composition of a solid precursor compound with a layer of packing material disposed thereon. Also provided are methods for transporting a carrier gas saturated with the precursor compound for delivery into such CVD reactors.

IPC 8 full level
C23C 16/448 (2006.01)

CPC (source: EP KR US)
C23C 16/4402 (2013.01 - EP KR US); **C23C 16/4481** (2013.01 - EP KR US); **F04D 17/168** (2013.01 - KR); **H01L 21/02365** (2013.01 - KR); **H01L 21/67207** (2013.01 - KR)

Citation (applicant)
JP H0620051 B2 19940316

Citation (search report)

- [Y] US 6444038 B1 20020903 - RANGARAJAN SRI PRAKASH [US], et al
- [Y] EP 1160355 A2 20011205 - SHIPLEY CO LLC [US]
- [Y] US 5377429 A 19950103 - SANDHU GURTEJ S [US], et al

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Designated contracting state (EPC)
DE FR GB

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DOCDB simple family (application)
US 29538105 A 20051206; CN 200510129410 A 20051208; EP 05257531 A 20051207; JP 2005353257 A 20051207; JP 2012014433 A 20120126; KR 20050120197 A 20051208; KR 20120107035 A 20120926; TW 94143106 A 20051207; US 78663910 A 20100525